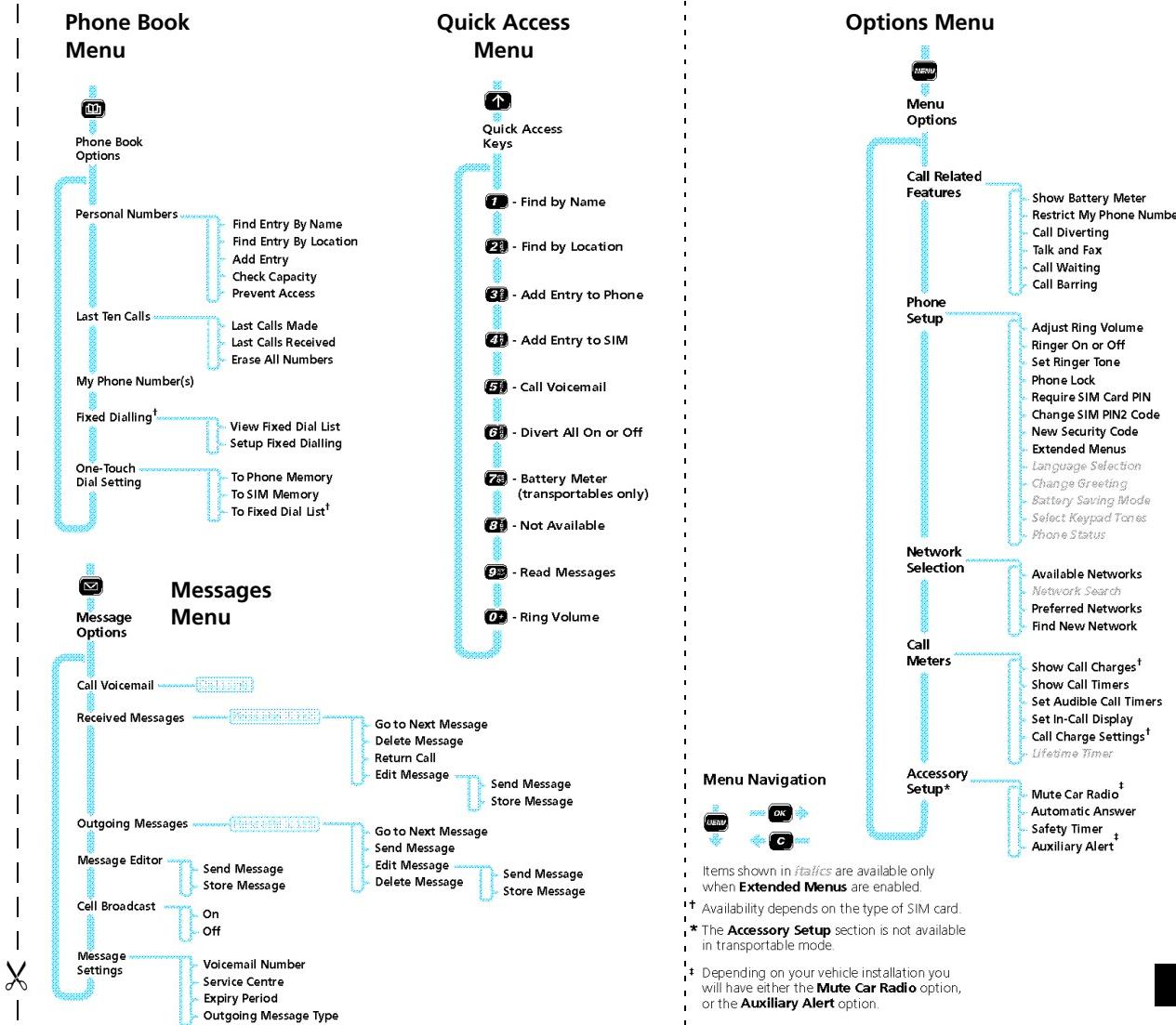


Quick Reference



Quick Reference

Special Keys

- | | |
|--|--|
| | Press to turn phone on and off. |
| | Press to accept call, setting, option,... |
| | Press to access the Messages Menu. |
| | Press to access the Phone Book menu. |
| | Press to access the Quick Access features. |
| | Press to access the Options menu. |
| | Press to reject call, setting, option,... |
| | Press to dial Voicemail. |
| | Press to switch privacy mute on and off during a call. |

Making a Call

Enter **Phone No.** .

Receiving a Call

Press or lift the handset from the hang up cup.

Ending a Call

Press or , or replace the handset in the hang up cup.

Making an Emergency Call

Enter . The call will be directed to a central emergency operator.

Muting the Phone

When in a call, press the mute button .

Redialling the Last Number Called

- 1 Press to display the last number dialled.
- 2 Press to call the number.

One-Touch Dialling

Press and hold the appropriate digit key to .

Storing Numbers in the Phone Book

- 1 Press and hold to access the Phone Book.
- 2 Press to select phone memory, or to select SIM card memory.
- 3 Enter **Phone No.**, then **Name**, then **Location**.

Dialling Phone Book Numbers

Press **Location**

Quick Access Features

- | | |
|--|--|
| | Find by Name - prompts you to Enter Name . |
| | Find by Location - prompts you to Enter Location . |
| | Add Entry to Phone - prompts you to enter a phone number and name. |
| | Add Entry to SIM - prompts you to enter a phone number and name. |
| | Call Voicemail - dials your voicemail number. |
| | Divert All On or Off - switches unconditional call diversion on or off. |
| | Battery Meter - displays the battery charge level (transportable only). |
| | Not Available . |
| | Read Messages - displays your newest message. |
| | Ring Volume - prompts you to select a ring volume, High , Medium or Low . |



Introduction



Congratulations on your purchase of a cellular telephone from *Motorola*, the world leader in cellular technology.

All *Motorola* cellular telephones are manufactured to exacting specifications and world-class quality standards, and are designed to withstand the harshest environmental conditions. Our commitment to Total Customer Satisfaction and over sixty five years of experience in personal communications mean you can depend upon the quality of this *Motorola* product.

This cellular telephone incorporates **Personality™**. Unique to *Motorola*, **Personality™** removes the complexity of cellular communications by guiding you through the features and presenting you with simple choices every step of the way. **Personality™** also allows you to personalise the way you use your phone - for example, different ringer tones, a phone book and network selection preferences - all presented with clarity and simplicity. In this manual, each of the **Personality™** features is identified with an **OK** symbol to indicate that it is customisable to meet your requirements.

This cellular telephone has been designed for use with the worldwide GSM (Global System for Mobile communications) network. By using digital communications methods, your phone provides a number of advantages over traditional cellular systems:

- Superior speech quality is attained without the usual background noises and interference.
- Your conversation may be encrypted for security. Conversations cannot be eavesdropped using scanning equipment when the signal is encrypted.
- You are not restricted to use within one country.

Your subscriber number is not contained within the phone as with other systems. Instead, a 'Smart Card' known as a SIM (Subscriber Identity Module) is supplied by your Cellular Service Provider. All call billing is made to the subscriber number on the card whether it is used in this or any other GSM unit.

☞ Before you use your phone in transportable mode, please ensure that you charge the battery for at least 14 hours.

Understanding this Manual

Many of your phone options are accessed by a simple menu system. A full description of the menus and how to move around them is covered in the later section **Menu Navigation**. When the manual describes the use of each menu item, it will be assumed that you are familiar with the menu system.

Key Presses

Key presses are represented in this manual using symbols so that you may locate and use the required sequence quickly. A sequence of key presses may be shown as follows:



This means that you should press the **MENU** key followed by the **OK** key and then the **C** key, in sequence, not simultaneously.

Multiple Key Presses

Symbols, such as the following, will appear in this manual. They are not keys on the phone, but they represent multiple key presses. For example:

Phone No. - enter the required telephone number.

PIN Code - enter your Personal Identification Number.

Unlock Code - enter your unlock code.

Location - enter the Phone Book location number.

Prompts and Messages

Your phone responds to key presses by displaying either easy to understand prompts that guide you to the next action, or simple messages confirming that your action is complete. Prompts and messages are represented in this manual in LCD style, for example:

Enter PIN or Completed.

Other Symbols

You will find the following symbols used throughout this manual:

A Note contains additional information which is relevant to the feature/item.

A Caution contains important additional information which is relevant to the efficient and/or safe usage of your phone.

This symbol indicates that the feature is a **Personality™** feature that can be customised to meet your requirements.

This symbol indicates a short key sequence for the feature.

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The Manufacturer reserves the right to make changes in technical and product specifications without prior notice.

IMPORTANT READ THIS INFORMATION BEFORE USING YOUR TRANSPORTABLE CELLULAR TELEPHONE

The cellular telephone is one of the most exciting and innovative electronic products ever developed. With it you can stay in contact with your office, your home, emergency services, and others.

General

For the safe and efficient operation of your phone, observe these guidelines. Your transportable cellular telephone is a radio transmitter and receiver. When the phone is ON, it sends out and receives radio frequency (RF) energy. The phone operates in the GSM frequency range of 890MHz to 960MHz (or DCS 1800 frequency range of 1710MHz and 1880MHz) and employs commonly used Time Division Multiple Access (TDMA) digital modulation techniques. When you use your phone, the cellular system handling your call controls the power level at which your phone transmits. The pulsed power level can range from 0.02 of a watt to 8 watts.

Exposure to Radio Frequency Energy

Research on health effects from RF energy has focused for many years on FM radio technology. That research and studies regarding newer radio technologies, such as TDMA, have found no credible scientific evidence that adverse health effects result from the use of a portable cellular telephone.

In 1991 the Institute of Electrical and Electronic Engineers (IEEE), and in 1992 the American National Standards Institute (ANSI) adopted the 1982 ANSI standard for safety levels with respect to human exposure to RF energy.

Over 120 scientists, engineers, and physicians from universities, government health agencies, and industry, after reviewing the available body of research, developed this updated standard. In March, 1993 the Federal Communications Commission (FCC) of N. America proposed the adoption of this updated standard. To operate within this updated ANSI standard, use your phone as described under "Efficient Phone Operation".



Efficient Phone Operation

Do not operate your transportable cellular telephone when holding the antenna, or when any person is within 10 centimetres (4 inches) of the antenna.

Of course, if you want to limit RF exposure even further than the updated ANSI standard, you may chose to control the duration of your calls or maintain a distance from the antenna of more than 10 centimetres (4 inches).

For best call quality, keep the antenna free from obstructions and point it straight up.

Antenna Care and Replacement

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Replace a damaged antenna immediately. Consult your manual to see if you may change the antenna yourself. If so, use only a manufacturer-approved antenna. Otherwise, have your antenna repaired by a qualified technician.

Use only the supplied or approved antenna. Unauthorised antennas, modifications or attachments could damage the phone and may contravene local RF emission regulations or type approval.

Driving



Check the laws and regulations on the use of cellular telephones in the areas where you drive. Always obey them. Also, when using your phone while driving, please:

- give full attention to driving,
- use hands-free operation, if available, and
- pull off the road and park before making or answering a call if driving conditions so require.

Electronic Devices

Most electronic equipment, for example in hospitals and motor vehicles is shielded from RF energy. However, RF energy may effect some malfunctioning or improperly shielded electronic equipment.

Vehicle Electronic Equipment

Check with your vehicle manufacturer's representative to determine if any on board electronic equipment is adequately shielded from RF energy.

Medical Electronic Equipment

Consult the manufacturer of any personal medical devices (such as pacemakers, hearing aids, etc.) to determine if they are adequately shielded from external RF energy.

Turn your phone OFF in health care facilities when any regulations posted in the area instruct you to do so. Hospitals or health care facilities may be using RF monitoring equipment.

Aircraft

Turn your phone OFF before boarding any aircraft.

- Use it on the ground only with crew permission.
- Do not use in the air.

To prevent possible interference with aircraft systems, Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent interference with cellular systems, local RF regulations prohibit using your phone whilst airborne.

Children

Do not allow children to play with your phone. It is not a toy. Children could hurt themselves or others (by poking themselves or others in the eye with the antenna, for example). Children could damage the phone, or make calls that increase your telephone bills.

Blasting Areas

To avoid interfering with blasting operations, turn your unit OFF when in a "blasting area" or in areas posted: "turn off two-way radio". Construction crews often use remote control RF devices to set off explosives.

Potentially Explosive Atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fuelling areas such as petrol stations; below decks on boats; fuel or chemical transfer or storage facilities; and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Do not transport or store flammable gas, liquid, or explosives, in the compartment of your vehicle which contains your phone or accessories.

Before using your phone in a vehicle powered by liquefied petroleum gas (such as propane or butane) ensure that the vehicle complies with the relevant fire and safety regulations of the country in which the vehicle is to be used.

Safety Standards

This Cellular Telephone complies with all applicable RF safety standards.

This cellular telephone meets the standards and recommendations for the protection of public exposure to RF electromagnetic energy established by governmental bodies and other qualified organisations, such as the following:

- **Verband Deutscher Elektroingenieure (VDE) DIN-0848**
- **Directives of the European Community, Directorate General V in Matters of Radio Frequency Electromagnetic Energy**
- **National Radiological Protection Board of the United Kingdom. GS-11, 1988.**
- **American National Standards Institute (ANSI)/IEEE. C95. 1-1992**
- **National Council on Radiation Protection and Measurements (NCRP). Report 86**
- **Department of Health and Welfare Canada, Safety Code 6.**

Battery Safety



- To prevent injury or burns, do not allow metal objects to contact or short circuit the battery terminals.
- Make sure that the battery terminals do not touch greasy objects.
- Do not immerse the battery in water, or dispose of in a fire.
- Ensure that the battery is disposed of using the proper facilities.
- If you need to replace the battery, make sure that you use only the approved battery type.
- The use of other types of batteries might affect your phone and in such cases the manufacturer assumes no liability.

European Union Directives

Conformance Statement

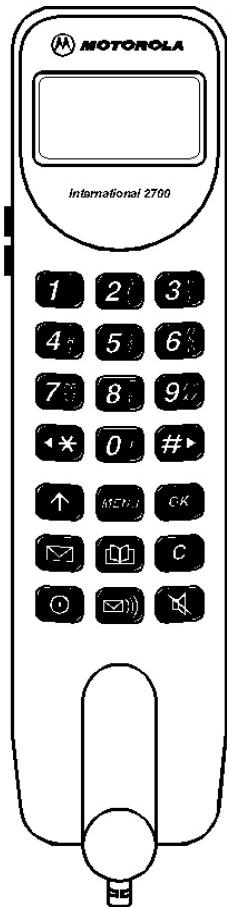


This product is in conformance with the requirements
of the applicable EU Council Directives.

Declarations of Conformance with the requirements
are located at:

Motorola Ltd.
European Cellular Subscriber Division
Midpoint, Alençon Link
Basingstoke, Hampshire RG21 7PL
United Kingdom

About Your Phone and SIM Card



Special Keys

- Turns the phone on and off.
- OK Accept call, setting, option.
- ↑ Access the Quick Access menu.
- ↓ Access the Phone Book menu.
- ✉ Access the Messages menu.
- MENU Access the Options menu.
- C Reject call, setting, option.
- ✉ Direct dial to Voicemail.
- 🔇 Mute phone on and off.
- ◀ ▶ Move backward and forward through the entries.

Volume Buttons

The buttons on the left hand side of your phone adjust the earpiece, external speaker and keypad tone volume levels. Volume is increased with the upper button and decreased with the lower button. To adjust ringer volume refer to the Phone Setup Menu items in the 'Using the Features' section.



Adjusting the Earpiece Volume

Press the volume buttons during a call with the handset out of the hang-up cup.

Adjusting the Speaker Volume

Press the volume buttons during a call with the handset in the hang-up cup.

Adjusting the Keypad Tone Volume

Press the volume buttons when not in a call.

The Display



The Liquid Crystal Display (LCD) on your phone can display two rows of twelve alphanumeric characters as well as useful information symbols.

The various elements of the display are as follows:

ABC123 Characters are used to display messages and telephone numbers.

 **Battery Charge Indicator** (transportable only).

 **Signal Strength**. The more segments displayed in the bar graph, the better the signal strength.

 **In Use**. Displayed when a call is in progress.

 **Roam**. Displayed when you are registered on a system other than your home system.

 **Short Message Service**. Displayed when the phone has received a message. The symbol will flash when your message storage area is full.

Low Temperature Use

The liquid crystal display screen used in your phone will behave differently at extremely low temperatures. You may notice that the display responds slowly to key presses; this is to be expected and does not affect the phone operation in any way.

Your SIM Card

Your credit card sized SIM (Subscriber Identity Module) card was supplied by your Cellular Service Provider when you bought your phone. You will not be able to make or receive calls if you do not have a SIM card inserted in your phone.

 Some networks allow you to make emergency calls without a SIM card inserted.

The SIM card is a 'Smart Card' that contains your phone number, service details and memory for storing Phone Book numbers and messages. You can therefore use your SIM card in someone else's GSM phone and you will be charged for the call.

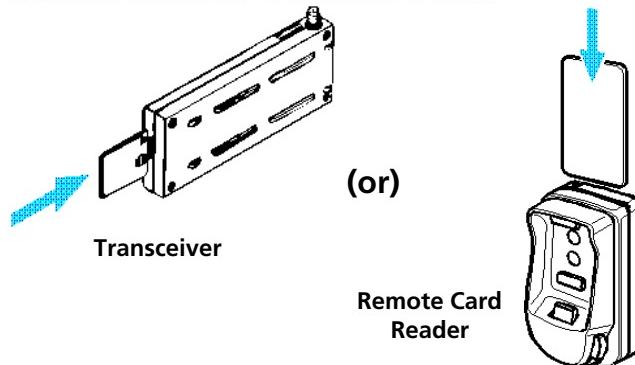
Like a bank or credit card, you should keep your SIM card secure. Do not bend or scratch your card and avoid exposure to static electricity or water.

 The use of a plug-in SIM card or small SIM card adapter is not covered under warranty.

! Switch off your phone before inserting or removing the SIM card. Failure to do so may damage the memory on your SIM card.

SIM Card Insertion

Switch off your phone by pressing the  key and insert the SIM card into the transceiver or remote card reader.



If the SIM card is inserted the wrong way round, or damaged, the [Check Card](#) message may be displayed. Remove the SIM card, check that it is the right way round and then re-insert it into the phone.

If either of the [Bad Card See Supplier](#) or [Blocked See Supplier](#) messages are displayed, then you will need to contact your Cellular Service Provider.

 If you have the remote card reader you may not be able to insert your SIM card in the transceiver.

SIM Card Removal

Switch off your phone, push the release button and pull the SIM card out.



Making and Receiving Phone Calls

Switching the Phone On and Off

To switch the phone on or off press the **○** key.

If you switch the phone on and there is no SIM card inserted, you will be asked to insert one. Once inserted, the phone will check that the SIM card is valid.

A number of messages will then be displayed:

- A greeting message - which can be changed by you.
- **Enter PIN** - a request to enter the SIM card PIN code (if required).
- **Enter Phone Unlock Code** - a request to enter the phone unlock code (if required).
- **Searching...** followed by a network name - as the phone searches and then finds a suitable network to connect to.

Entering Your SIM Card PIN Code

To enter the PIN code, press **PIN Code** **OK**.

As you type in each digit of the PIN code a ***** character will be displayed.

If you make a mistake, press and release the **C** key to remove the last digit. Holding the **C** key down will remove the entire entry.

When the PIN code is complete press the **OK** key.

If the PIN code entered is incorrect, the warning message **Wrong PIN** will be displayed, followed by **Enter PIN**.

! If the PIN number is entered incorrectly three times in a row, your phone will automatically lock-up and the **Blocked** message will be displayed. See 'Unlocking Your Phone' for details on unlocking your phone.

The PIN code can be changed, see 'Change SIM PIN Code' in the **Options Menu** section for more details.



OK Entering Your Unlock Code

If your phone displays the message **Enter Phone Unlock Code** you must enter your unlocking code by pressing **Unlock Code** **OK**.

The unlock code is a four digit number which is set at manufacture to **1234**. The code can be changed, see 'Change Unlock Code' in the **Options Menu** section for more details.

If you forget your unlock code, press the **MENU** key. This will display the 'Change Unlock Code' option. Press **OK** **Security Code**, enter a new unlock code, and press **OK**.

Making a Phone Call

To make a phone call, your phone must be switched on and unlocked.

It will not be possible to make a phone call unless you are in an area where there is a GSM service. When a service has been found, a series of rising bars, , will show the signal strength.



There are a number of different ways to make a phone call:

- Using the digit keys.
- Using automatic redial.
- Redialling the last number called.
- One-touch dialling a Phone Book entry.
- Dialling a Phone Book entry.
- Calling an embedded number in a message.

 Your phone contains a 'phone book' that can be used to store names and telephone numbers. See **Phone Book Menu** for further details.

The simplest method of making a phone call is to enter the number using the digit keys then press **OK**.

 If you make a mistake, press and release the **C** key to remove the last digit. Holding the **C** key down will remove the entire number.

Your phone will then attempt to make the phone call. The display will show **Calling** to show the call attempt is being made. If the call is not answered, pressing **OK**, or replacing the handset in the hang up cup, at this point will end the attempt.

When the phone call is answered, the display will change to **Connected** for a few seconds, followed by **End Call?**.

To end your call press **OK** or **C**, or replace the handset in the hang up cup.

Automatic Redial

If your call attempt does not succeed, the message **Redial?** will be displayed for five seconds. Pressing **OK** at this point will automatically redial the phone number.

When the call is answered, you will hear a short ring tone.

The maximum number of redial attempts is set by your Cellular Service Provider. If the phone call cannot be connected within this maximum, the message **Redial Failed** will be shown.

Redialling the Last Number Called

 When in standby mode, press **OK** **OK**.

Alternatively, you can retrieve the last number dialled using the 'Last Ten Calls' feature in the Phone Book menu.

OK One-Touch Dialling Phone Book Numbers

To quickly retrieve and dial a number stored in the first nine locations of your Phone Book¹, press and hold the appropriate digit key. For example, pressing and holding **2** will dial the phone number stored in location 2 of your Phone Book.

 You do not need to press **OK** to call the number.

OK Dialling Phone Book Numbers

 **Location** **#** **OK**

Alternatively you can:

1 Press **OK** **Location**. For example **OK** **2** **3** will retrieve the phone number stored in location 23 of your Phone Book.

*If you don't know the exact location, you can enter a random location and then use the ***#** and **#** keys to scroll to the number you want.*

2 Press **OK** to call the number.

Calling an Embedded Number in a Message

Details on how to call a number embedded in a message are given in the **Messages Menu** section.

International Phone Calls

To make an international phone call press and hold the **0+** key. After a couple of seconds the international dialling prefix + will appear in the display, this allows you to call from any country without knowing the local international access code.

Now enter the country code, followed by the phone number. The country code follows the conventional format, 49 for Germany, 44 for the UK, 46 for Sweden, etc.

Just like a conventional international call, remove the leading '0' of the area code when you dial.

The **What to do if...** section at the end of this manual contains a list of the more commonly used international dial codes.



Inserting Pauses Into Phone Numbers

To obtain a three second 'pause' character in a phone number, press and hold the ***#** key for a couple of seconds, the pause symbol □ will appear.

The pause character produces a three second delay whenever it is used. However, the first pause character in a phone number is a special case, it will not begin its delay until the call is answered.

1. The Phone Book entries that you are able to access will depend on the One-Touch Dial Setting option in the Phone Book menu.

Pause - A Working Example.

If, for example, you have a tone-based voicemail system on 555-6911, with a mailbox number 1066 and password 2001. Then you may dial the following number:

5556911»1066»2001 .

The first part of the number would be used to call the voicemail system.



When the call is answered the first pause will produce a delay of three seconds before the tones for **1066** are sent to select the mailbox.

There will be a second pause of three seconds before the tones for **2001** are sent as the password.

GSM Emergency Calls

The worldwide GSM network provides a standard number, 112, to dial in cases of emergency.

Provided that your phone has found a network, you will be able to make an emergency call. The call can be made regardless of any security codes and, depending on the network, with or without a SIM card inserted.

The emergency call will be directed to a central emergency operator.

To dial the GSM emergency number, press **1 1 2** .

While the emergency call is being made and connected, the display will show **Emergency**.

Receiving a Phone Call

To receive a phone call:

- Your phone must be switched on and unlocked.
- You must be in an area where there is GSM service.
- Your Call Diversion and Call Barring settings should not be set to divert or bar incoming calls.

When your phone receives a call, it will ring and the display will show the **Call** message (if you have Caller Line Identification, the caller's number will be displayed instead).

To answer the call, pick up the handset or press **OK**.

If you do not wish to answer a call you can either:

Press and release the **C** key. If you have enabled the 'Detailed Diverting - If Busy' option in the Options Menu, the caller will be diverted to the forwarding number, otherwise the caller will hear the busy tone.

or

Press and hold the **C** key. This will reject the incoming call. No call divert option will be offered.

If your phone rings and you do not answer it, the message **Unanswered Call** will be displayed to show you that a call attempt was received.

Ending a Phone Call

To end a phone call, press **OK** or **C**, or replace the handset in the hang up cup.

Handsfree Calls

Making a Handsfree Phone Call

Leave the handset in the hang up cup. Enter the number using the digit keys, press **OK**, and talk into the microphone. End the call by pressing **OK** or **C**.

Receiving a Phone Call Handsfree

Leave the handset in the hang up cup. Answer the phone by pressing **OK** and talk into the microphone. End the call by pressing **OK** or **C**.

Switching from Handsfree to Handset

Lift the handset from the hang up cup.

Switching from Handset to Handsfree

Press **OK** and replace the handset in the hang up cup.





Menu Navigation

A large number of your phone's options are accessed by using menus which use a common approach for selection, change and cancellation.

Please read this section carefully before attempting to access a menu option. When you understand the common approach to menu navigation and how the menus are shown on the page, you will be able to access and change options with ease.

The menus described here can only be accessed when the phone is in the standby mode. Menu operation is not possible when you are making or answering a phone call.

Entering the Menus

Four different keys are used to access each of the menus:

-  accesses the Phone Book menu
-  accesses the Options menu
-  accesses the Messages menu
-  accesses the Quick Access menu

Once entered, the menus use the ,  and  keys in a common manner to access and change individual options.

Leaving the Menus

To leave any of the menus, you can either press and hold the  key or repeatedly press the  key. Both of these actions will return your phone to the standby mode.

 Alternatively, a quicker way to leave the menus is to press  .

Menus and Sub-menus

A menu is a simple list of options. Some of these options provide access to a further list of options called a sub-menu. When navigating through the menus you may find it is helpful to think in terms of menu levels - the 'parent' menu being on one level and its sub-menus being on a lower level.

Moving to and Selecting a Menu Option

To move from one option to another on the same level, use the scroll keys: the  and  keys scroll forwards and the  key scrolls backwards. When you find the option you want, press the  key to select it.

Depending on the option you select, one of three things will happen:

- either a brief message will be displayed confirming an action, for example **Completed**.
- or a prompt will be displayed requesting you to enter information, for example **Enter PIN** or **Enter Name**.
- or the first option of a sub-menu will be displayed. You can select this option using the  key or browse through the other options using the scroll keys.

To leave an option or sub-menu, press the  key. This will take you back to the parent menu item.

Menu Options with Security Codes

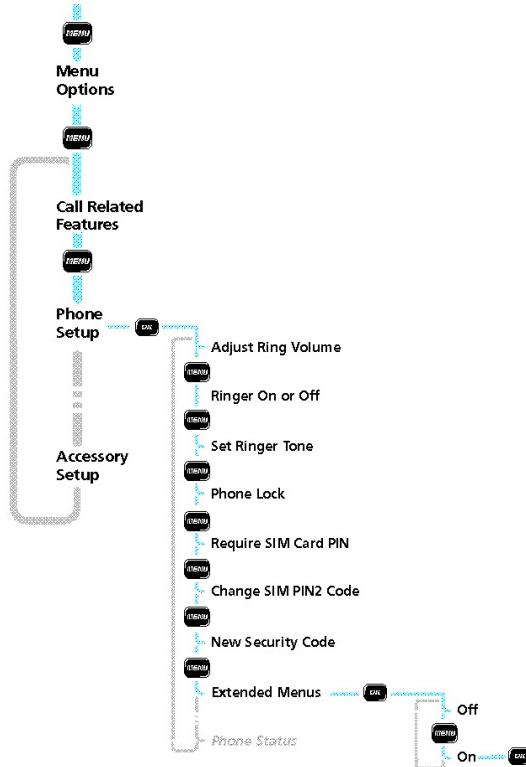
Some options are protected from misuse by requiring you to enter one of the security codes. In order to use these options, you must enter the requested code before proceeding.



Menu Navigation - A Working Example

The following steps will take you through how to switch the Extended Menus option on:

- 1 When the phone is in the standby mode, press the **MENU** key. This will access the Options menu and **Menu Options** will be displayed.
- 2 Press **MENU** to display the first item, **Call Related Features**.
- 3 Press the **MENU** key to go to the **Phone Setup** menu item.
- 4 Press the **OK** key to select the sub-menu. The display will now show the **Adjust Ring Volume** menu option.
- 5 Press the **MENU** key seven times to go to the **Extended Menus** sub-menu item.
- 6 Press the **OK** key to select this item. You can now select between **On** or **Off**, the current setting will be shown with a **+** character. If the **+** character is next to **Off**, press **MENU** and then **OK** to switch on the Extended Menus. If the **+** character is next to **On**, press **C** to leave the setting as it is.



OK Short, Extended and Personalised Menus

With **Personality**™ you can personalise the menus by choosing which features you want readily available. The features that are less frequently used can be stored out of sight.

The menu diagrams in this manual show the condition of the menu settings when you first receive your phone. Some features are in the Short Menu and are shown in **bold** type. Other features are in the Extended Menu and appear in shaded *italics* - these features do not appear when you first scroll through the menus.

You can change which features appear in the Short and Extended Menus, and therefore personalise the menus, to suit your requirements.

If you want to move a feature from the Short Menu to the Extended Menu (or from the Extended Menu to the Short Menu), go to the feature and then hold down the **OK** key until a prompt appears offering the following choices:

- Add the current feature to the Short Menu/Extended Menu.
- Leave the current feature in the Short/Extended Menu.

Select the option you want by pressing the **OK** key.

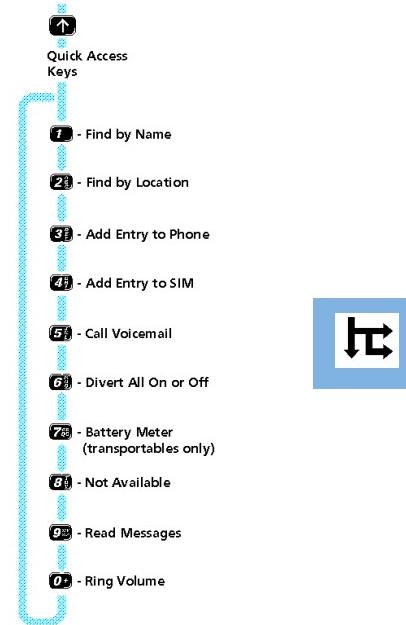
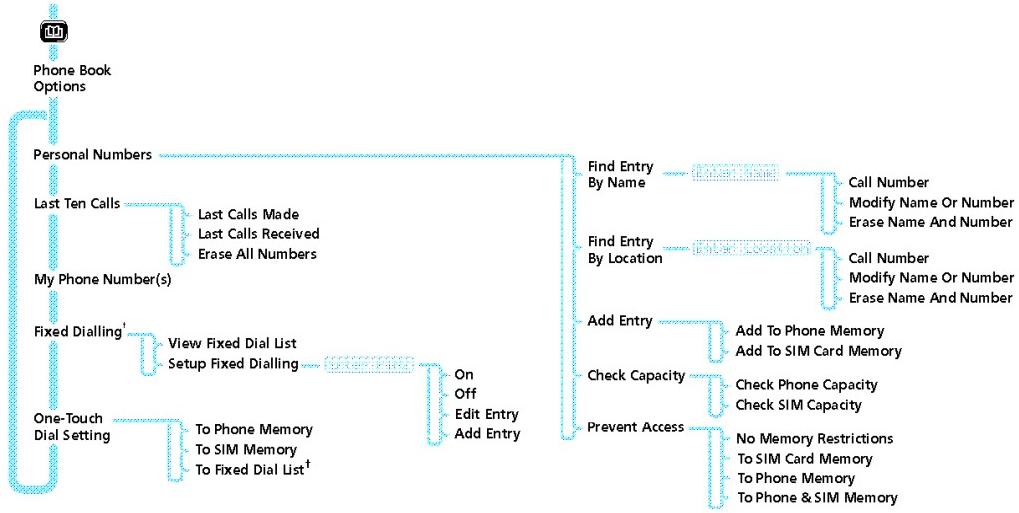
 *The settings for some menu features cannot be changed.*





Menu Summary

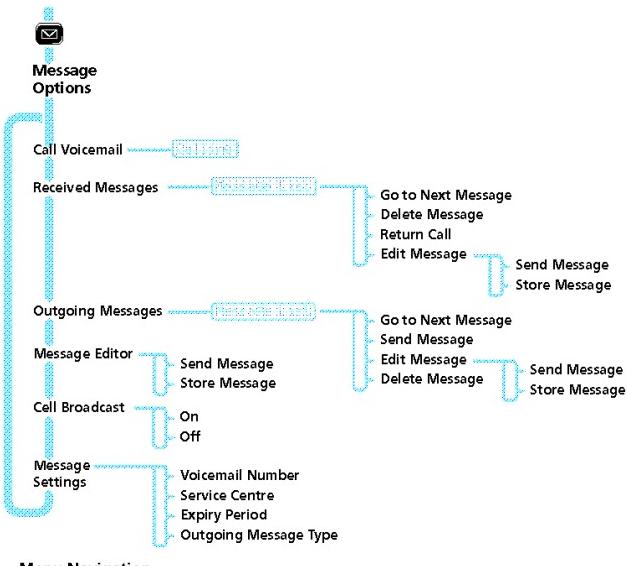
Phone Book and Quick Access Menus



Menu Navigation



Messages and Options Menus

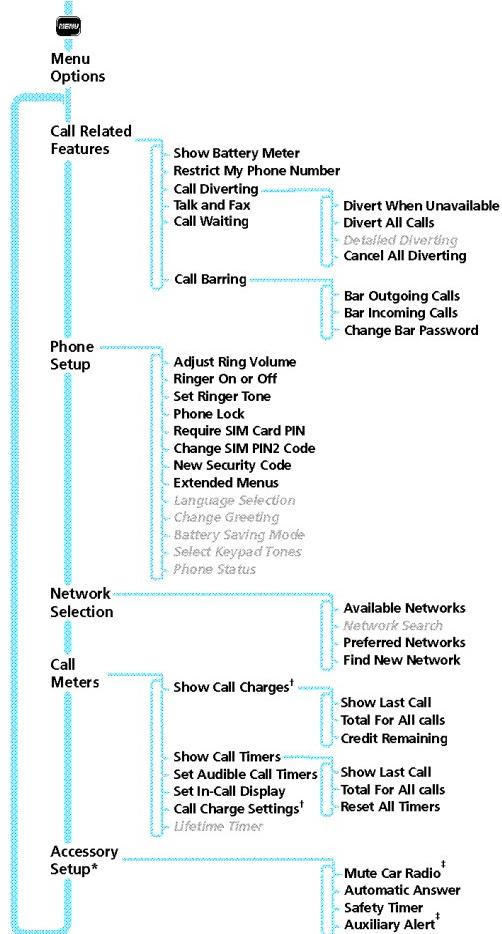


Items shown in *italics* are available only when **Extended Menus** are enabled.

† Availability depends on the type of SIM card.

* The **Accessory Setup** section is not available in transportable mode.

‡ Depending on your vehicle installation you will have either the **Mute Car Radio** option, or the **Auxiliary Alert** option.



Using the Features

Phone Book Menu

To access the Phone Book menu press the  key.

You can store names and telephone numbers as entries in an electronic 'Phone Book'. These entries are stored in the *Personal Numbers list* in your phone or SIM card's memory, and in the *Fixed Dial list*¹ on your SIM card. Once stored, a number can be quickly retrieved and dialled.

Your phone can store 100 entries and the SIM card can store up to 155 entries in the Personal Numbers list. The number of SIM card entries will vary depending upon the type of SIM card issued by your Cellular Service Provider.

You can also store up to 20 entries in a Fixed Dialling list if you have this feature. Fixed Dialling allows you to limit use of your phone to particular numbers, or, if you wish, to country codes, area codes, or other prefixes of your choosing.

Each Phone Book entry comprises:

- A telephone number. Up to 32 digits can be stored, but this is reduced to 20 digits for SIM card locations.
- A name. Up to 16 characters for phone locations. Up to 50 characters for SIM card locations, but typically 10 or less.
- A location label - from 1 to 255 in your Personal Numbers list, or 1 to 20 in your Fixed Dial list.

Postscripting

This allows you to make use of area codes and other prefixes previously stored in your Phone Book when making a call.

To use postscripting, select the Phone Book entry containing the prefix and then simply enter the rest of the number and press  to make the call.

You can also use postscripting if you want to call a number similar to one you have stored in your Phone Book. Retrieve the number from the Phone Book, delete the relevant digits and then enter the new number.

 *Postscripting a number does not overwrite the entry in the Phone Book.*



1. Availability of the Fixed Dialling feature depends on the type of SIM card you have.

How to Enter Alphabetic Characters

The **0***, **1**, ..., **8** and **9_{WZ}** keys are used to enter alphabetic characters, for example when storing names in the Phone Book or when creating messages.

For example, if you press the **5** key, the first displayed character will be **J**. If this is not the required character, then you can press the same key again to show **K**. Another press will display **L**, another... ...will display **5**. Your phone will continue to scroll through the characters available on the selected key with each new key press.

A long press of any of the keys will switch all the characters to lower case, a second long press will switch back to upper case.

To enter the next character press the appropriate key. If, however, the next character is on the same key as the previous character you will first need to press the **#** key. Pressing the **#** key a second time will produce a space.

If a mistake has been made, you can go back to the incorrect character by pressing **⬅**.

Characters can be removed from the display by pressing the **c** key.

The character before the cursor (**█**) is the character which will be deleted.

Press the **ok** key to store the information.



Available Characters

Press the appropriate keys to get the following characters:

1	Space . ? ! , @ & : " () ? € i % € \$ 1
2_A	A B C Ä Å à á ß ç 2
2_a	a b c ä å à á ß ç 2
3_{E/F}	D E F ð é è ¶ 3
3_{e/f}	d e f ð é è ¶ 3
4_{G/H}	G H I Ì î 4
4_{g/h}	g h i Ì î 4
5_{J/K/L/A}	J K L A 5
5_{j/k/l/a}	j k l a 5
6_{M/N/O/Ö/Ø/Å/Å}	M N O Ö Ø Å Å 6
6_{m/n/o/ö/ø/å/å}	m n o ö ø å å 6
7_{P/Q/R/S/Π/Β/Σ/Ζ}	P Q R S Π Β Σ 7
7_{p/q/r/s/π/β/σ/ζ}	p q r s Π Β Σ 7
8_{T/U/V/Φ/Ù/Å/Å}	T U V Φ Ù Å 8
8_{t/u/v/φ/ù/å/å}	t u v φ ù å 8
9_{W/X/Y/Z/Ξ/Ψ/Ώ}	W X Y Z Ξ Ψ 9
9_{w/x/y/z/ξ/ψ/Ώ}	w x y z Ξ Ψ 9
0*	+ - × * / = > < # 0
0*	+ - × * / = > < # 0

The top line(s) for each key show the upper case characters, the lower line(s) show the lower case.

Personal Numbers

The Personal Numbers sub-menu is used for creating and managing your list of personal numbers.

Find Entry By Name

 Press  .

This option is used to select a telephone number from a list of alphabetically sorted Phone Book names.

Once selected, this option will display the message [Enter Name](#). You can enter the first three characters of a name. You do not need to enter all three characters, but a longer entry will result in a more accurate search.

The Phone Book entries will be searched and the first matching entry will be displayed.

If there isn't a name matching your entry, the nearest matching entry will be displayed.

If you do not enter any name information, the first alphabetical entry will be displayed.

If there are no names stored, [No Names Stored](#) will be displayed.

To display adjacent Phone Book entries use the  and  keys. When the desired name is displayed press the  key to select it. The phone will now enter the 'Call Number', 'Modify Name Or Number' or 'Erase Name And Number' options sub-menu.

Find Entry By Location

 Press  [Location](#).

This option is used to select a telephone number from a list of numerically sorted Phone Book locations.

Once selected, this option will display the message [Enter Location](#). You can now enter a location number. If the entered location is not valid, a timed message [Range 1-XXX](#) will be displayed and the phone will return to the [Enter Location](#) menu item.

The Phone Book entries will be searched and an entry will be displayed.

If you enter a location number for which there is no entry, [Location Empty](#) will be displayed and the nearest non-empty location will be selected instead.

If you did not enter a location, the first numerical entry will be displayed.

If there are no numbers stored, [No Numbers Stored](#) will be displayed.

To display adjacent Phone Book entries use the  and  keys. When the desired name is displayed press the  key to select it. The phone will now enter the 'Call Number', 'Modify Name Or Number' or 'Erase Name And Number' options sub-menu.



Call Number, Modify Name Or Number or Erase Name And Number Options

Once a Phone Book entry has been selected, it can be called, modified or deleted.

Call Number

This option is used to call the selected Phone Book telephone number.

Modify Name Or Number

This option is used to change the selected Phone Book entry. The entry's current telephone number and name will be presented, in turn, for modification. You can accept the current settings or modify as required.

Erase Name And Number

This option is used to erase the selected Phone Book entry.

Simply press the **OK** key when the phone displays the message **Erase Name And Number**. The option will display the timed message **Erased XXX** and then return to the **Find Entry** menu item.



Add Entry

This option is used to add (store) entries to the Phone Book. You can choose to add the new entry to either the phone or SIM card memory locations.

Add To Phone Memory, Add To SIM Card Memory

Press **↑ 3** to add to phone memory

Press **↑ 4** to add to SIM memory

Once you have selected the destination of the new entry, you will be asked to enter the telephone number, name and location number of the new entry.

The last telephone number displayed will be presented by default; it can be used or discarded as required.

If the entered location is not valid, a timed message **Range YYY-ZZZ** will be displayed and the phone will return to the **Enter Location** prompt. If the chosen location is currently used by another entry, you will be asked for confirmation that the location can be overwritten.

If you do not supply a location number, the next available location will be used.

When the new entry has been entered, a timed message **Stored At XXX** will be displayed and the phone will return to the **Add Entry** menu item.

Check Capacity

This option is used to check the number of free Phone Book entries in the phone or SIM card memory areas.

Check Phone Capacity, Check SIM Capacity

Once selected, a timed message **XX Unused Locations** displays the requested information. The phone will return to the **Check Capacity** menu item.

Prevent Access

This option enables you to prevent access to the Personal Numbers list.

To SIM Card Memory, To Phone Memory, To Phone & SIM Memory, No Memory Restrictions

You can prevent access to all entries in the SIM card memory, the phone memory or both the phone and SIM card memory. To cancel all access restrictions use the No Memory Restrictions option.

When you change the restrictions, you will be requested to enter the Security Code before the change is made.

Last Ten Calls

These options can be used to call the most recently used phone numbers.

Once an option has been selected, use the ***** and **#** keys to scroll through the list of phone numbers. Press the **OK** key to call the displayed number.

☞ You can use postscripting to modify a number once you have retrieved it from either of the Last Ten Calls lists.

Last Calls Made

This option can be used to redial the phone number of any one of the last ten calls made.

Last Calls Received

This option can be used to redial the phone number of any one of the last ten calls received.

☞ You will only see numbers in the Last Calls Received list if you have Caller Line Identification.

Erase All Numbers

This option erases all the numbers stored in your Last Ten Calls Made and Last Ten Calls Received lists.



My Phone Number(s)

This option allows you to access your cellular phone, fax and data numbers so that you can retrieve or modify them when required. For example, if you have difficulty remembering your cellular phone number, store it with the name **My Phone** and then you will be able to retrieve the number as required.

The My Phone Number(s) list is stored on your SIM card.

When you select this item, the first location will be displayed. Use the and keys to scroll through the phone numbers stored.

To enter or change a number, scroll to the location and press . You will be prompted to enter a phone number and then a name. Press to store the information.

Depending on your Cellular Service Provider, you may find that one or more of the entries in the My Phone Number(s) list will have been defined. You may not be able to change these predefined entries.



Fixed Dialling

Availability of the Fixed Dialling menu depends on the type of SIM card.

This feature allows you to limit use (typically third-party use) of your phone to a predefined list of telephone numbers or, if you wish, to a list of country codes, area codes, or other prefixes of your choosing.

When Fixed Dialling is switched on, the only numbers that can be dialled from your phone are those stored (or whose prefix is stored) in the Fixed Dial list. If you attempt to dial any other number (apart from an emergency number), the message **Restricted** will be displayed. You will not be able to make fax or data calls.

To make a call when Fixed Dialling is switched on, either dial the number manually, or select it from the Fixed Dial list and press .

Up to 20 entries can be stored in the Fixed Dial list. The list is stored on your SIM card.

This option may be affected by the Call Barring setting.

View Fixed Dial List

This option allows you to scroll through the numbers in the Fixed Dial list. When you find the number you want, press to make the call.

Setup Fixed Dialling

This option allows you to switch Fixed Dialling on or off and to enter or change entries in the Fixed Dial list.

You will be prompted to enter your PIN2 security code when you select this option.

On

Switches fixed dialling on.

Off

Switches fixed dialling off.

Edit Entry

Modifies or clears an entry in the Fixed Dial list. When you select this option, the first non-empty location in the list will be displayed. Scroll to the entry you want to change and press **OK**. You will be prompted to edit the phone number and the name. To erase the entry, press **C**.

Add Entry

Adds a phone number and name to the Fixed Dial list. When you select this option you will be prompted to enter the phone number, name and a location number. If you do not specify a location number, it will be stored in the next available location.

☞ *When setting up your Fixed Dial list, you may want to reserve the first nine locations for phone numbers you wish to One-Touch Dial. See also 'One-Touch Dial Setting'.*

One-Touch Dial Setting

This option allows you to specify which Phone Book list can be One-Touch Dialled.

To Phone Memory

Switches One-Touch Dialling to your Personal Numbers list stored in phone memory (locations 1 to 9).

To SIM Memory

Switches One-Touch Dialling to your Personal Numbers list stored on your SIM card (locations 101 to 109).

To Fixed Dial list

☞ *This option is only available if you have Fixed Dialling.*

Switches One-Touch Dialling to your Fixed Dial list (locations 1 to 9).



Messages Menu

Your phone supports the two GSM message features: Short Message Services (SMS) and Cell Broadcast.

SMS Messages

These are text messages that are sent specifically to and from your phone number.

When an SMS message is received, your phone:

- 1 Makes three short alert tones).
- 2 Displays the  (messages) icon.
- 3 Stores the message for later viewing, if there is space. If there is not enough space, the  icon will flash. One or more messages must be removed before the message can be stored.

Your Cellular Service Provider will transmit a message for a limited amount of time. If a memory location is not made available before the message is removed from the network, then you will not be able to receive or read it.



Cell Broadcast Messages

These are general messages, broadcast to a group of phones and can only be received when your phone is in standby mode.

These messages are broadcast in numbered 'channels' and, in general, each channel will tend to carry one particular type of information.

Typical cell broadcast channels could have information on local weather conditions, traffic reports or stock market prices. Please contact your network operator for a list of available channels and the information they supply.

When the message has scrolled across the display, the beginning of the message will be shown until you either remove it or a new message arrives.

How to Read SMS Messages

You can use the scroll keys (,  and ) to scroll through messages in either the Received Messages or Outgoing Messages lists.

To display a specific message, enter the message number, for example press  to display the 5th message. If the message does not exist, **Invalid Msg Number** will be displayed.

Alternatively, to display the next message, press  and select **Go To Next Message**.

How to Create and Edit SMS Messages

Use the Message Editor to create or modify text messages. When you enter the editor, the last message that was edited will be displayed. Press and hold **c** to clear the message and start a new one, or modify the message displayed. For an explanation of how to enter text, see 'How to Enter Alphabetic Characters' in the **Phone Book Menu** section.

Press **ok** once you have completed your message. You will then be presented with the following options:

Send Message - If you select this option you will be prompted for a phone number, enter the number and then press **ok** to send the message.

Store Message - Select this option to store your edited message in your Outgoing Messages list.

If you don't store the message after it has been edited, you will lose all your changes as soon as you select another message to be edited.

OK Call Voicemail



Once selected, this option will leave the Messages menu and automatically make a phone call to the current voicemail number. The display will show **Calling** and standard call operations can be performed.

The voicemail phone number can be entered by selecting the 'Voicemail Number' option in the 'Message Settings' sub-menu.

Received Messages



This option is used to view and manage any SMS messages that have been sent to your phone number.

When selected, this option will display a message indicating the total number of messages and how many of these are new. If there are no messages **No Messages** will be displayed.

If there are messages, the new messages will be displayed first, followed by the old. Repeated presses of the **menu** key will display the whole message, when it was sent and the phone number who sent it (if available).

Once you have read a new message it will automatically become old.

See 'How to Read SMS Messages' for more information on navigating through the messages.

Press the **ok** key, when viewing any message, to enter the 'Go to Next Message', 'Delete Message', 'Return Call' and 'Edit Message' sub-menu.

Go to Next Message

This option will display the next received message.

If you are currently reading the last message in your list then this option will take you back to the top of the list.

Delete Message

This option will delete the currently viewed message



Messages Menu

Return Call

This option can be used to call the person who sent you the message, if their number has been included by the network, or a number that has been included in quotes "" in the message.

Edit Message

This option allows you to use the Message Editor to edit the selected message and then to either send the modified message and/or store it in your Outgoing Messages list. See 'How to Create and Edit SMS Messages' for more information on using the Message Editor.

Outgoing Messages

This option is used to view and manage any outgoing messages. These messages will be stored on your SIM card. When you select this option, the total number of messages will be displayed followed by the first message in the list.

 You cannot send an outgoing message until the Message Service Centre number has been set. See 'Message Settings'.

Press the **OK** key, when viewing any message, to enter the 'Go to Next Message', 'Send Message', 'Edit Message' and 'Delete Message' sub-menu. See 'How to Read SMS Messages' for more information on navigating through the messages.

Go to Next Message

This option will display the next outgoing message.

Send Message

If you select this option you will be prompted for a phone number, enter the number and then press **OK** to send the message.

Edit Message

This option allows you to use the Message Editor to edit the selected message and then to either send the modified message or store it in your Outgoing Messages list. See 'How to Create and Edit SMS Messages' for more information on using the Message Editor.

Delete Message

This option will delete the currently viewed message.

Message Editor

The Message Editor is used to edit the currently selected message and then to either send the modified message or store it in your Outgoing Messages list. See 'How to Create and Edit SMS Messages' for more information on using the Message Editor.

Cell Broadcast

This option is used to set the cell broadcast settings. The option has two settings **On** or **Off**.

If you change the setting to **On**, you will be asked to enter the channel you wish to receive information from.

Please contact your Cellular Service Provider for a list of available channels and the information they provide.

While a broadcast message is scrolling across the display you can stop and start it by pressing ***#**. Press **#** to restart the message from the beginning. If you want to remove the message from the display, press **C** followed by **OK**.

 If you need to use the ***#** and **#** keys for their normal functions while you are receiving a cell broadcast message, you must first remove the message.

Message Settings

Voicemail Number

This option is used to enter a phone number which will be used by the 'Call Voicemail' option.

If there is already a Voicemail Number, this will be shown in the display. This can be used, modified or deleted as desired.

Service Centre

Before you can send any messages you must use this option to enter your Message Service Centre number. This number is obtained from your Cellular Service Provider.

Expiry Period

You can use this option to specify the maximum time, in hours, that your unforwarded messages are to remain with the Message Service Centre before being deleted. When you select this option, the current expiry period will be displayed (the default is 24 hours).

The maximum value you can enter is 10584, though the real limit will depend on your Message Service Centre.

Outgoing Message Type

This option is network dependent and can be used to specify the format of your outgoing messages. You can select from the following message types: [Text](#) (default), [Fax](#), [X400](#), [Paging](#), [E-Mail](#), [ERMES](#) or [Voice](#).

 You do not need to select [Voice](#) to send messages to Voicemail boxes.



Call Related Features Menu

Show Battery Meter



☞ Transportables only.

This option displays the approximate amount of battery capacity remaining, for example:



Number of Bars	Approximate Charge Level
1	less than 5% (recharging needed)
3	less than 20%
5	less than 60%
7	greater than 60%

Restrict My Phone Number

'Restrict My Phone Number' is a network feature. You will need to subscribe to one of the two Caller Line Identification restriction features with your Cellular Service Provider.

Show ID On Next Call

Your phone number is sent with the next attempted call, after this your phone number will not be sent until you re-select this option.

Restrict ID On Next Call

Your phone number will not be sent with the next attempted call, after this your phone number will be sent with calls until you re-select this option.

OK Call Diverting

Call diverting is a network feature. If your phone is unavailable, or you do not wish to receive calls, incoming calls can be diverted to other phone numbers.

This option can be used to:

- Divert all incoming calls unconditionally.
- Divert incoming calls whenever your phone is unavailable.
- Divert calls to different numbers, depending on the call type and the current status of your phone.
- Reset all diversion options to off.

☞ You cannot change the call divert settings when you are out of GSM coverage.

After selecting any of the call divert options there will be a short delay while the phone asks the network for the current setting.

Divert When Unavailable

This option will enable you to divert all incoming calls to a single number, whenever your phone is unavailable.

The option has two settings, **On** or **Off**.

If you change the setting to **On**, you will be asked to enter a diversion phone number using the digit keys.

 When **On**, *Divert When Unavailable* takes priority over detailed diversion settings.

Divert All Calls



This option will enable you to *unconditionally* divert all incoming calls to a single number.

The option has two settings, **On** or **Off**.

If you change the setting to **On**, you will be asked to enter a diversion phone number using the digit keys.

 When **On**, *Divert All Calls* takes priority over all other diversion settings.

Detailed Diverting

These options will enable you to divert calls to different numbers, depending upon the call type and the current status of your phone.

Each of the following detailed diverting options operate in the same way.

Each option has two settings, **On** or **Off**.

If you change the setting to **On**, you will be asked to enter a diversion phone number using the digit keys.

 Detailed diversion settings are ignored while *Divert All Calls* or *Divert When Unavailable* are **On**.

Divert Voice Calls

Divert All Voice Calls

When selected, this option will unconditionally divert all incoming calls. You will have no opportunity to answer an incoming call.

If Busy

This option will divert incoming calls if your phone is busy.

If No Answer

This option will divert incoming calls if you do not answer the call.

If Not Reachable

This option will divert incoming calls if your phone cannot be contacted by the network.



Divert Fax Calls, Divert Data Calls

When selected, these options will divert incoming 'Fax' and 'Data' calls.

Cancel All Diverting

This option will enable you to cancel the diversion of incoming calls.

 This option resets all diversion settings to **Off** and removes all diversion numbers.

Talk and Fax

This is a network feature that allows you to speak and then send or receive a fax during the course of a single call.

- ☞ Your phone supports a data and fax transmission speed of up to 9600 bps.

Before making a Talk and Fax call, ensure that:

- Your phone is "fax-ready" (it has been switched off, connected to the fax, then switched back on). Connecting your phone to the fax in the middle of the call will not work.
- The Talk and Fax mode is set to **On**.

A Talk and Fax call automatically switches to fax mode when you start sending the fax. While the fax is being transmitted, the message **Fax in progress** will be displayed. The call automatically ends when the fax transmission is complete. You cannot switch back to voice mode in the same call.

- ☞ While a Talk and Fax call is active, incoming call services like Call Waiting and Call Holding are suspended.

If you receive a Talk and Fax call when:

- Your phone is not fax-ready - you can only talk.
- Your phone is fax-ready but Talk and Fax mode is off - the call is automatically routed to your fax (you cannot talk).



On

Switches Talk and Fax mode on for the next and all subsequent calls.

Off

Switches Talk and Fax mode off for the next and all subsequent calls.

OK Call Holding and Call Waiting

Your phone supports the GSM network options of Call Holding and Call Waiting. Using these options you can place a current phone call on hold and accept an incoming call or start a second call.

The Call Waiting menu item has two settings On or Off. If you select Off, you will not be notified of waiting calls. The person trying to contact you will either receive the busy tone, or be diverted by the 'Detailed Diverting - If Busy' option.

If Call Waiting is On, you will be notified of a waiting call by an audible alert and by the message **Call Waiting - Answer?**. You can press the **OK** key to accept the waiting call, or use the **MENU** key to scroll to an alternative option and then press **OK**.

- ☞ If you have Caller Line Identification, the caller's number is displayed instead of the Call Waiting message.

Call Holding and Call Waiting Scenarios

The display will automatically change according to the status of your current call (or calls) and will propose the option that you are most likely to want. Press **OK** to accept this option or press **MENU** to scroll through the alternative options. By following this procedure you will find that even the triple combination of an active call, a held call, and a call waiting is easy to manage.

The following points summarise the more common situations:

- To end the active call, press **OK**. If you have a call on hold it is automatically connected.
- To put the active call on hold and make another call, press **MENU** and select the **Hold Call** option, then press **MENU** again and select the **Make New Call** option¹.
- To put the active call on hold and reconnect a held call, press **MENU** and then select the **Switch Calls** option.
- To accept a waiting call, press **OK**. The active call will be placed on hold. If you prefer to end the active call before accepting the waiting call, press **MENU** and select the **End Active Call** option, or **End Held Call** option as appropriate.
- To reject a waiting call, press **MENU** and select the **Reject Call Waiting** option (or simply press the **C** key).

1. A quicker method of making another call is to enter the number to be called directly. As soon as you press the first digit, the display will change to **Call?**. This will disappear three seconds after the last key press, but if you press **OK** before then, your phone will place the current call on hold and attempt to call the number entered.

 If you have an active call, a call on hold and a call waiting, you cannot accept the waiting call until you end either the active call or the held call.

Call Holding and Call Waiting Messages

During Call Holding and/or Call Waiting operations, your phone may display one or more of the following messages:

Trying

A request to hold the active call, or swap the active call with a held call, has been made.

or

A request to reconnect the held call has been made.

Hold Failed

The request to hold a call has been unsuccessful.

Cannot Hold Second Call

A call is already on hold, you cannot place two calls on hold at the same time.

Reconnect Failed

The held call could not be made active again.

Busy Try Later

Your phone is still working on a previous command. Wait a short time before repeating the command.

Anonymous

The person who is calling you has blocked their number from appearing on your phone.

Unavailable

The network is unable to provide the caller's number.



OK Call Barring

Call barring is a network feature which can be used to selectively bar outgoing and incoming calls.

If you change the barring setting, you may be asked to enter your barring password. There will be a short delay while the phone notifies the network of the new setting. When the change has been made by the network, the phone will display a confirmation message.

The *initial* password will be supplied to you by your Cellular Service Provider when you subscribe to this service.

 *This option may be affected by the Fixed Dialling setting.*

Bar Outgoing Calls

After selecting this option, there will be a short delay while the phone asks the network for the current setting.

Int'l Calls

When selected, this option will bar outgoing international calls.

Int'l Calls Except Home

When selected, this option will bar outgoing international calls, except those to your home country.

All Calls

When selected, this option will bar all outgoing calls, except emergency calls.

Off

When selected, this option will disable all call barring for outgoing calls.

Bar Incoming Calls

After selecting this option, there will be a short delay while the phone asks the network for the current setting.

When Roaming

When selected, this option will bar incoming calls when you are roaming.

You may wish to select this option, as some Cellular Service Providers charge an additional fee for receiving calls when you are roaming.

All Calls

When selected, this option will bar all incoming calls.

Off

When selected, this option will disable all call barring for incoming calls.

Change Bar Password

This option can be used to change the call barring password.

After selecting this option, you will be asked to enter the current password.

You will then be asked to enter, and then re-enter, your new, **4 digit**, barring password. When the change has been made by the network, the phone will display a confirmation message.

Phone Setup Menu

Adjust Ring Volume



This option is used to set the incoming call ring tone volume. The option has three settings, **High**, **Medium** or **Low**.

Ringer On or Off

This option sets the way your phone alerts you to an incoming call. The settings are:

- **On** - the phone will ring with the tone specified by the Set Ringer Tone option.
- **Off** - the phone will just display the **Call** message.

The setting you choose also defines the type of alert for an incoming SMS message.

OK Set Ringer Tone

This option sets the tone your phone will make when an incoming call is received.

Standard Tone

Your phone makes a standard ringing tone.

Single Ring Tone - Music Tone

When selected, your phone will produce one of these alternative ringer tones.

If you select the Single Ring Tone option, the phone will only ring once when a call is received.

OK Phone Lock

This option is used to set, and change, the unlock code.

The unlock code can be set to protect your phone from unauthorised use. It can be set to automatically lock your phone each time it is switched on.

The unlock code is a four digit number which is set at manufacture to **1234**. This can be changed at any time by using the 'change unlock code' option.

Automatic Lock

This option can be used to automatically lock your phone each time it is switched on.

The option has two settings, **On** or **Off**.



Lock Now

This option can be used to immediately lock your phone. Once selected, your phone will be unusable until the unlock code is entered.

Change Unlock Code

This option is used to change the unlock code.

After selecting this option, you will be asked to enter the current security code before you can proceed.

You can now enter a four digit code to replace the old code.

 By pressing the **MENU** key, you can access this option even when the phone is locked.

Require SIM Card PIN

This option is used to set, and change, the PIN code.

The PIN code can be set to protect your SIM card from unauthorised use. If set to **On**, access to your SIM card will be restricted each time it is inserted or the phone is turned on.

The option has two settings, **On** or **Off**.

 If the SIM card does not support PIN code disabling, these items will not appear.



Change SIM PIN Code

This option is used to change the SIM card PIN code.

The 'Require SIM Card PIN' option must be set to **On** and you must enter the old PIN code before you can proceed.

You will be asked to enter a new, four to eight digit code to replace the old PIN code. The new PIN code must be entered again as confirmation.

 If the PIN number is entered incorrectly three times in a row, your SIM card will automatically lock-up and the Blocked message will be displayed.

Unlocking Your Phone

If you receive the **Blocked** message you will need to enter an unblock code and key sequence before you can use the phone.

 The 8 digit PIN unblocking code will have been provided with your SIM card by your Cellular Service Provider.

Enter the following key sequence to unblock your phone:


The diagram shows a sequence of key presses: *** * 0 # 5 *** followed by **OK**. This is then followed by **Unlock Code OK**, **New PIN Code OK**, and finally **New PIN Code OK**.

The new PIN code must contain four to eight digits.

 If this operation is performed incorrectly 10 times in a row, your SIM card will become permanently blocked.

Change SIM PIN2 Code

This option is used to change your PIN2 security code.

When you select this option you must enter the old PIN2 security code before you can proceed.

You will be asked to enter a new, four to eight digit code to replace the old PIN2 security code. The new PIN2 security code must be entered again as confirmation.

! If the PIN2 security code is entered incorrectly three times in a row, the Blocked message will be displayed.

When the Blocked message is displayed, you are not allowed access to menu items that require you to enter the PIN2 code, for example 'Setup Fixed Dialling' and 'Call Charge Settings'.

If you receive the Blocked message when you try to enter your PIN2 code, you will need to unblock and change the code using the following key sequence:



 The 8-digit unblocking code will have been provided with your SIM card by your Cellular Service Provider.

! If the PIN2 unblocking operation is performed incorrectly 10 times in a row, your PIN2 code will become permanently blocked.

OK New Security Code

The security code is used to control access to security and other options within the menus.

This option is used to change the security code, which is set at manufacture to 000000.

Once selected, you will be asked to enter the current security code before you can proceed.

You will then be asked to enter a new, six digit code to replace the old security code.

 In order to safeguard your phone, you should change your security code from the factory setting as soon as possible.

OK Extended Menus

 Press and hold MENU. Extended Menus will be temporarily activated until you exit the Options menu.

This option is used to switch the extended menus on or off.

If the extended menu option is switched off, you will not be able to access any of the extended features.

The option has two settings, On or Off.



OK Language Selection

This option is used to change the language for display messages.

The option has multiple settings.

When you select a language, all further display prompts and help messages will be in the selected language.

OK Change Greeting

This option is used to change the message displayed when you switch on your phone.

Once selected, you will be able to enter a new greeting of up to 24 characters. See 'How to Enter Alphabetic Characters' in the **Phone Book Menu** section for more information.

The new greeting will be displayed when your phone is next switched on.

Battery Saving Mode

 Transportables only.

This option can help you to conserve battery power. Also known as DTX (Discontinuous Transmission), this feature will cause your phone to operate at reduced power when you are not talking.

The option has two settings, [On](#) or [Off](#).

OK Select Keypad Tones

This option allows you to change or disable tones you hear when you press a key.

The option has three settings, [Normal Tones](#), [Single Tone](#) or [No Tones](#).



Phone Status

Status Review

This option can be used to view the current setting of menu options.

When selected, your phone will display a list of menu items which have been changed from the default setting. Press the  key to view the next item.

Master Reset

 This option should be used with caution.

This option is used to restore certain phone options to their original settings.

When selected, you will be asked to enter the security code. Once entered, the master reset option will perform the following operations:

- Cancel Automatic Answer, Audible Call Timers, In-Call Display Meter, Battery Save (DTX), Auxiliary Alert, Automatic Handsfree, Automatic Lock, Cell Broadcast and Talk and Fax Mode.
- Return Language Selection to Original.
- Restore Keypad Tones to Normal, Ringer Tones to Standard, Volume Level to Medium and Network Search frequency to Medium.
- Reset the expiry period for SMS messages to 24 hours and the Message Type to Text.

Master Clear

! This option should be used with extreme caution, for example it will clear all the Phone Book entries from your phone memory.

This option is used to restore certain phone options to their original settings.

When selected, you will be asked to enter the security code. Once entered, the master clear option will perform the same operations as 'Master Reset', plus the following operations:

- Clear the Phone Book entries from phone memory (not from SIM memory)
- Clear the Last Calls Made and Last Calls received list
- Clear the Message Editor.
- Reset the Resettable Call Timers.

Master Clear does **not** clear the:

- Fixed Dial list
- My Number(s) list
- Charge Meters
- Received and Outgoing Messages list.



Network Selection Menu

Network Selection

In order for the phone to make and receive phone calls, it must register with one of the available networks.

Your phone automatically searches for the last network used. If, for any reason, this network is unavailable, your phone will attempt to register with a new network.

When your phone needs to register with a new network, it will generate a sorted list of networks. The network list is sorted in the following order:

- The Home network.
- Networks from a preferred list.
- A random list of other networks found above a certain signal strength.
- All remaining networks in descending order of signal strength. Any forbidden networks, stored in the SIM card, will not be included in the sorted list.



Available Networks

When selected, this option will scan to see which networks are operating in your current location. When the scan is complete, press the **menu** key to scroll through the list. When you see a network you wish to register with or store in your preferred list, press the **ok** key. You will now enter the 'Register Now' and 'Make Preferred' sub-menu.

Register Now

Once selected, your phone will try to register with the selected network. If the registration fails, your phone will try to register in the normal way.

Make Preferred

Once selected, you will be asked where the selected network is to be located in the preferred list.

Network Search

These options determine how often your phone tries to register with a network and how the attempt is made.

Registration Preferences

This option determines how the phone tries to register with a network.

The option has two settings, [Automatic Search](#) or [Manual Search](#).

Automatic Search Mode

In the automatic mode, the phone will try to register with the first network in the sorted list. If this is successful, your phone will display the network name and then enter the standby mode.

If registration is unsuccessful with one network in the list, your phone will try the next listed network. If your phone fails to register with any of the listed networks, it will start at the beginning of the list after a preset period. The preset period is determined by the 'Frequency Of Search' option.

Manual Search Mode

In the manual mode, the phone will present you with the sorted list of networks. Use the **OK**, **#** and **OK** keys to select one network from the list. Your phone will try to register with the selected network. If this is successful, the phone will display the network name and then enter the standby mode.

If registration is unsuccessful, your phone will present the list again after a preset period. The preset period is determined by the 'Frequency Of Search' option.

! If the phone is turned off and then on again, it will revert to Automatic Search mode and register with a network in the order of the sorted list.

Frequency Of Search

This option is used to determine how long your phone waits before attempting to re-register after a registration attempt has failed.

The option has the following settings: **Slow Search**, **Medium Search**, **Fast Search** or **Continuous Search**.

! Fast and Continuous Search may use up a significant amount of battery power.

OK Preferred Networks

Add Network To List

This option enables you to add networks to your preferred list. When selected, the 'Choose From Available' option will scan to see which networks are operating in your current location. When the scan is complete, press the **MENU** key to scroll through the list. When you see a network you wish to store in your preferred list,

press the **OK** key. You will be asked where the selected network is to be located in the preferred list.

The 'Choose From Known' option will, when selected, present you with a preset list of networks. Press the **MENU** key to scroll through the list. When you see a network you wish to store in your preferred list, press the **OK** key. You will be asked where the selected network is to be located in the preferred list.

Select the 'Add New Network Code' option to enter network codes directly. Once entered, you will be asked where the network is to be located in the preferred list.

Show List Of Networks

This option is used to display the networks you have stored in your preferred list. In addition, pressing the **OK** key will select the currently displayed entry and enter a move/delete sub-menu.

When 'Move to New Location' is selected you will be asked to enter a new location for the selected network.

When selected, 'Delete Selection' will remove the selected network from the preferred list.

Find New Network

When selected, the phone will try to register with a network in the normal manner, with one exception. When the registration attempt is made, your current network will be excluded from the list of those available. If the attempt fails, your phone will then try to re-register with the previous network.



Call Meters Menu

Call Metering

Your phone has an internal metering system which can be used to provide you with individual and total call times or costs.

 *Call cost information is only available if you receive the Advice of Charge service. If you do not receive this service, then only time meters are available.*

The meter can be displayed during a phone call and audible tones can be generated to indicate the passage of call time.

Your phone can handle values up to 21 digits long, although during calls it can only display the last 12 digits. If the value exceeds 21 digits, then **Too Large** is displayed.

In addition, you can set a maximum charge limit so that your phone will monitor either the number of units used or the call cost, and then not allow the limit to be exceeded.



Show Call Charges

This feature allows you to display the cost of your calls or the amount of credit remaining. The figures are in phone units or currency depending on the setting of the **Set Charge Type** option.

 *Show Call Charges is only available if you receive the Advice of Charge service.*

Show Last Call

Displays the cost of your last chargeable call.

Total For All Calls

Displays the cost of all your chargeable calls since the charge meters were reset to zero using the 'Reset Call Charges' option.

Credit Remaining

Displays the difference between your total call costs and the limit specified by the 'Set Total Charge Limit' option. If there is no limit, **No Charge Limit Set** will be displayed.

Show Call Timers

This feature allows you to display the duration of your calls and to reset your time meters to zero.

If you receive the Advice of Charge service then all calls are timed. If you do not receive the Advice of Charge service then, depending on the model, either all calls or only outgoing calls are timed.

Show Last Call

Displays the duration of your last call.

Total For All Calls

Displays the duration of all your calls since the time meter was reset to zero using the 'Reset All Timers' option.

Reset All Timers

Sets the resettable time meters to zero. The Lifetime Meter is not resettable.

OK Set Audible Call Timers

- Your phone provides two programmable audible call timers:
- The 'Single Alert Timer' will sound a beep just once during a call, after a preset time has elapsed.
 - The 'Repetitive Timer' will sound regular beeps during a call, at preset intervals.

In both cases, the timers will sound their beeps ten seconds before the end of the programmed time.

Set In-Call Display

This feature allows you to specify whether the time or charge meters are displayed during a call. If you do not have the Advice of Charge service, then only the time meter is available.

-  *If a total charge limit has been set, then the in-call display always shows your remaining credit.*

Show Time Per Call

This option is used to display the time meter during calls. If you receive the Advice of Charge service, only the chargeable calls will be displayed.

Show Charge Per Call, Show Total Call Charges

-  *These menu items are only available if you receive the Advice of Charge service.*

These options are used to display the call charges meter during and after chargeable calls. The meter shows phone units or currency depending on the setting of the 'Set Charge Type' option.

No In-Call Display

This option switches off in-call display of the charge/time meter.

Call Charge Settings

This feature allows you to customise your Advice of Charge settings. You will be prompted to enter your PIN2 security code before you can access the options.

-  *This menu item is only available if you receive the Advice of Charge service.*

Reset Call Charges

This option resets your charge meters to zero.



Set Total Charge Limit

This option sets the maximum limit for call charges; once this limit has been reached, the network will refuse any further chargeable calls.

If you switch the charge limit **On**, you will be prompted to enter a new limit. Enter the amount as either units or currency depending on the setting of the [Set Charge Type](#) option. Units must be entered as whole numbers.

 *When the charge limit is On, you will not be able to make fax or data calls.*

Once a limit is set, the in-call display will show the remaining credit. When you reach your last two minutes, the warning message [Approaching Charge Limit](#) will be displayed and a warning alert will sound. The sound will be repeated when one minute remains. When the limit is reached the message [Charge Limit Reached](#) will be displayed and you will not be able to make any more chargeable calls.

Once the limit is reached the Total Charge Limit will need to be reset or switched off before any chargeable calls can be made.

Select [Off](#) to switch off the charge limit.



Set Charge Type

This option defines whether charge information is displayed as either phone units or currency.

Units

Sets the charge type to phone units.

Currency

Sets the charge type to currency. You will be prompted to enter the [Currency Name](#). Enter a 3-character notation, for example GBP for the UK, DEM for Germany or FFR for France. You will then be prompted for the [Charge Per Unit](#). Enter the amount and press **OK**.

Lifetime Timer

This option is used to display the total time of all calls made on your phone.

This meter can not be reset, the 'Reset All Timers', 'Master Reset' or 'Master Clear' options have no effect.

Accessory Setup Menu

- ☞ This section is not available in Transportable mode.
- ☞ Depending on your vehicle installation, either Mute Car Radio or Auxiliary Alert will not appear in the Accessory Setup menu.

OK Mute Car Radio

This option can be used to mute your car radio when you make, or receive, a call. It must be enabled by your local dealer.

This option has two settings, **On** or **Off**.

- ☞ This option will have no effect if your car radio does not have a mute feature, or if the car kit installation does not support this option.

Automatic Answer

This option allows your phone to automatically answer an incoming call after two rings.

This option has two settings, **On** or **Off**.

Safety Timer

This option can be used to keep the phone on for a set period after the vehicle ignition has been turned off. This prevents the vehicle's battery from becoming drained and saves you from having to re-enter PIN and Unlock codes after every short stop.

As standard the 'Safety Timer' is set to 60 minutes. Once selected, this option can be adjusted to any value between zero and 999 minutes. When set to zero, this option is effectively switched off.

Auxiliary Alert

This option allows your phone to alert you of an incoming call by flashing your vehicle lights, or by sounding the horn. It must be enabled by your local dealer.

- ☞ Some local regulations prevent the use of this option and, accordingly, this option may not be present on your phone.



Quick Access Menu

Although the features in your phone are available through easy access menus, the following most commonly used features are also available by pressing the quick access key followed by the relevant number:

Find by Name

You will be prompted to [Enter Name](#). Enter the first three characters of the name and press . The first matching entry in the Phone Book will be displayed. Press  to call the number.

Find by Location

You will be prompted to [Enter Location](#). Enter the location number and press . The first matching entry in the Phone Book will be displayed. Press  to call the number.



Add Entry to Phone

You will be prompted to enter a phone number and then a name.

 If you already had a number displayed, it will automatically be re-displayed when you select this feature.

The number will be stored in the next available phone memory location. See 'Add Entry' for more information.

Add Entry to SIM

You will be prompted to enter a phone number and then a name.

 If you already had a number displayed, it will automatically be re-displayed when you select this feature.

The number will be stored in the next available SIM card location. See 'Add Entry' for more information.

Call Voicemail

Your phone will make a call to your voicemail number.

 You must have defined a Voicemail number in order to use this feature.

See 'Call Voicemail' for more information.

Divert All On or Off

Unconditional call diversion will be switched either on or off depending on the current setting.

 You must have defined a diversion number using the 'Divert All Calls' option in the Call diverting menu in order to use this feature.

 You cannot switch call diverting on or off if you are outside GSM coverage.

Battery Meter 

 Transportable only.

A bar graph indicating the approximate battery charge level will be displayed. The more bars displayed, the greater the charge level.

See 'Show Battery Meter' for more information.

Not Available 

This option is not available.

Read Messages 

Your newest message will be displayed; you can then read, delete and edit messages as normal. See 'Received Messages' for more information.

Ring Volume 

You will be prompted to select the required ring volume: **High**, **Medium** or **Low**. As you scroll through the options a sample of the standard ring tone at this volume will be heard. See 'Adjust Ring Volume' for more information.



Quick Access Menu



Using the Transportable

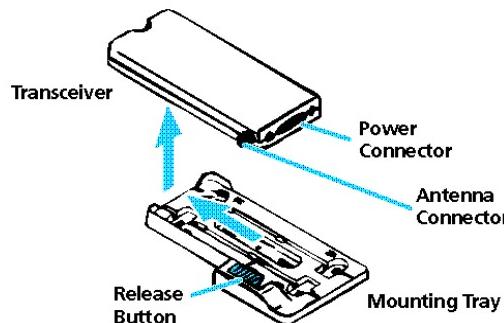
Removal from the Vehicle

 This section is only applicable if you have purchased your phone with the optional transportable kit or as a transportable.

Removing the Handset

Always start by making sure that the phone is switched off. Lift the handset from its mount. Press the lock on the coil cord plug while pulling out the cord. You are now ready to remove the transceiver.

Removing the Transceiver

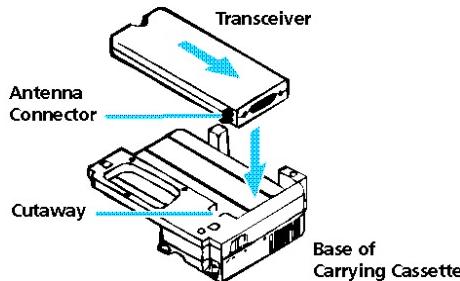


Disconnect the power cable and the antenna cable. Press the release button while sliding the transceiver toward the back wall of the mounting tray. Lift the transceiver from the tray.

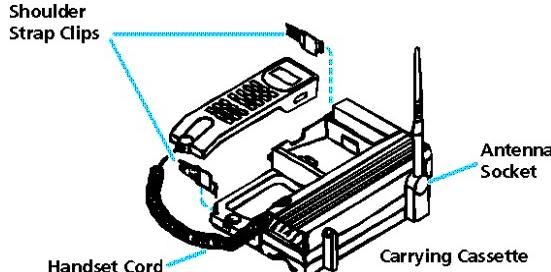
 If you have the U-mount tray, remove the mounting screws from the bracket before lifting the transceiver.

Insertion into the Carrying Cassette

Lower the transceiver into the base of the carrying cassette. The antenna connector will fit into the cutaway portion. Slide the transceiver forward until a click is heard indicating that the unit is locked into place.



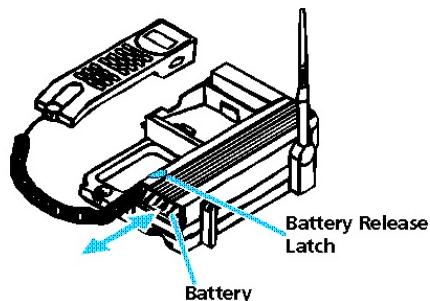
Turn over the carrying cassette and connect the handset coil cord to the handset connector. Place the handset in the hang up cup. Mount the antenna on the rotating antenna socket.



Attach the shoulder strap by sliding the clips into the slots in the carrying cassette. The clips will lock into place. To remove the shoulder strap, press the tabs and lift the clips.

To Insert the Battery

Slide the battery into the compartment until it locks into place. Arrows on the battery indicate the end to insert first. The + sign on the battery should be facing up.



To Remove the Battery

Pull up the battery release latch. The battery will automatically slide out for easy removal.

Your Battery

The carrying cassette uses a rechargeable lead-acid battery. The life of a battery can be greatly affected by the charging method as well as the use.

Charging a New Battery

To ensure maximum battery performance, it is recommended that a new battery (or battery that has not been used for several months) be charged for at least 14 hours before use.

☞ A new battery will require several full charge/discharge cycles in order to achieve its optimum performance.

Important Battery Information

To ensure that you enjoy maximum battery life and use your battery to its fullest capacity:

- Always use Motorola approved battery chargers.
- The battery should be at or near room temperature when charging.
- Once a week, allow your battery to discharge completely before recharging (to fully discharge, leave your phone on until it turns itself off).

Battery Performance and Maintenance

The talk time and standby times given are typical performance figures for the lead acid battery:

Battery Type	Talk Time	Standby Time
Lead Acid	90 min.	12 hours

- Best battery performance will be achieved when you regularly charge and discharge batteries as instructed in this manual.
- Battery performance is greatly affected by the coverage of the GSM network.
- Set **Battery Saving Mode** to On (see **Phone Setup Menu**) and/or **Frequency of Search** to Slow or Medium (see **Network Selection Menu**).
- Keep the antenna fully extended whenever possible to ensure maximum signal strength.
- The performance of your batteries will gradually reduce if used substantially.
- If left unused, a fully charged battery will discharge itself in approximately one month.
- When not in use, store your battery uncharged in a cool, dark and dry place.



Battery Charging

Overnight Charger

Connect the charger to the external power connector on the carrying cassette. Plug the charger into the wall outlet.

The Overnight Charger will take approximately 9 hours to charge a completely discharged battery with the phone switched off.

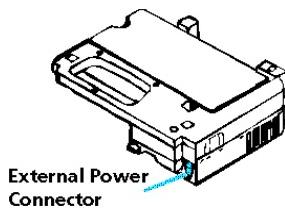
Spare Battery Charger

Remove the battery from the carrying cassette. Connect the cable to the battery contacts. Plug the charger into the wall outlet.

The Spare Battery Charger will take approximately 4 hours to charge a completely discharged battery.

Cigarette Lighter Adaptor

The Cigarette Lighter Adaptor supplies power to the carrying cassette from the vehicle's electrical system. For this reason it is advisable to use the adaptor only when the engine is running.



Connect the cable to the external power connector on the carrying cassette. Plug the Adaptor into the cigarette lighter.

Depending on your vehicle's electrical system and usage of the phone, your battery may charge or discharge while using this adaptor.

The adaptor has a 10 Amp fuse which you may replace yourself, if necessary.

Mains Operation - Rapid Charging

For fixed applications an alternative power source to the battery is the main power supply. Connect the power supply to the external power connector on the carrying cassette. Plug the power supply into the wall outlet.

You may either remove the battery or leave it in. If you leave it in, a completely discharged battery will be fully charged in approximately four hours.

Operation in the Carrying Cassette

Keypad and Display Lighting

To conserve battery power, the keypad and display lighting will turn off after a few seconds. Pressing any key will turn the lighting back on.

Hands Free Operation

Hands Free operation may also be used when the phone is placed in the carrying cassette. The operation is carried out as described elsewhere in this user guide. When operating in Hands Free mode, you will hear the call through the loudspeaker built into the Carrying Cassette. Direct your conversation towards the microphone built into the handle.

Low Battery Indicator

The Battery Level Meter on the display indicates the level of the battery.

When the battery needs to be charged a warning tone is heard and the display shows Low Battery.

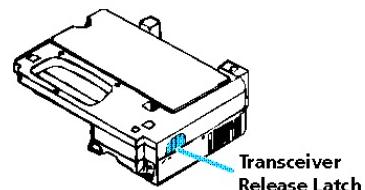
When the battery strength drops below the lowest level for normal function, the telephone is switched off automatically.

 *If powered via the Cigarette Lighter Adapter, the display will not show the battery strength indicator, since the transportable is powered from the vehicle's battery.*

Use Inside a Vehicle

With a Car Kit Installation

If you have a car kit, remove the handset and transceiver from the carrying cassette and reinstall in the vehicle. The transceiver is released from the carrying cassette using the release latch.



Without a Car Kit Installation

Secure the Carrying Cassette by firmly attaching the seat belt through the handle. The cigarette lighter adaptor will supply power from the vehicle's electrical system, saving the carrying cassette battery for use away from the vehicle.

To provide better reception during in-vehicle use, remove the carrying cassette antenna and connect the cable from an external antenna to the antenna connector.





Accessories

The following accessories have been designed to work with your cellular phone. Additional accessories may be available and are packaged separately. Please refer to your local service provider or retail outlet for more information.

Battery 2.2 Ah (SNN4139)

The Battery is for use with the carrying cassette in transportable mode . It provides up to 12 hours standby time and up to 90 minutes talk time. The battery will take approximately 9 hours to fully recharge.

Rapid Charger (SPN4064 - Euro/SPN4063 - UK)

The Rapid Charger connects to a spare battery and allows you to charge it in approximately four hours.

Power Supply (CCPN4013 - Euro/CCPN4000 - UK)

When in transportable mode, the Power Supply connects directly to the battery in the carrying cassette and allows you to use the phone at the same time as charging the battery. Depending on usage, the battery will take around four hours to charge.

Quick Release Mounting Bracket (CCLN4128)

The Quick Release Mounting Bracket holds the transceiver when it is mounted in the vehicle.

Replacement Handset (SCN2706)

A Replacement Handset is available should the existing one become damaged or stolen.

Replacement Hang Up Cup With Card Reader (SLN3194)

For use in a vehicle a Hang Up Cup with integral Card Reader is available.

Carry Strap (SLN7340)

A Carry Strap is available so that your hands are free when carrying the phone in the carrying cassette.

Cigarette Lighter Adaptor (CCLN4208)

The Cigarette Lighter Adaptor supplies power to the carrying cassette from the vehicle's cigarette lighter socket, saving the battery for portable use.





What to do if...

You can't switch your phone on	<p>Carkit: Have a qualified technician check the installation.</p> <p>Transportable: Check the battery. Is it charged, properly fitted and are the contacts clean and dry?</p>
You can't make calls	<p>Check the signal strength meter in the display. If the signal is weak, move to an open space.</p> <p>Check the Network Selection settings. Try Manual Selection, or try another network. See 'Network Search'.</p> <p>Check your Operator coverage map.</p> <p>Is Restricted displayed? Check the Call Barring and Fixed Dialling.</p> <p>Has the call charge limit been reached? Use your PIN2 code to reset the limit or contact your Service Provider. See 'Set Total Charge Limit'.</p> <p>Has a new SIM card been inserted? Check that no new restrictions have been imposed.</p>
You can't receive calls	<p>Check the signal strength meter in the display. If the signal is weak, move to an open space.</p> <p>Check the Call Diversion and Call Barring settings.</p> <p>Check the Ringer settings. If off, there is no audible alert. See 'Ringer On or Off'.</p>
Your phone won't unlock	<p>Have you inserted a new SIM card? Enter the new PIN code. See 'Entering Your SIM Card PIN Code'.</p> <p>Do you have a replacement phone? Enter the default phone unlock code - 1234.</p> <p>Have you forgotten the unlock code? Press MENU to change the unlock code (you will need your security code).</p>
Your PIN is blocked	Enter the PIN unblocking code supplied with your SIM card (see 'Unlocking Your Phone').
Your PIN2 is blocked	Enter the PIN2 unblocking code supplied with your SIM card (see 'Change SIM PIN2 Code').
Your SIM card won't work	<p>Is the card inserted the right way round? See 'SIM Card Insertion'.</p> <p>Is the gold chip visibly damaged or scratched? Return the card to your Service Provider.</p> <p>Check the SIM and phone contacts. If they are dirty, clean them with an antistatic cloth.</p>



The battery won't charge (Transportable only)	<p><i>Check the charger.</i> Is it properly connected? Are its contacts clean and dry?</p> <p><i>Check the battery contacts.</i> Are they clean and dry?</p> <p><i>Check the battery temperature.</i> If it is warm, let it cool before recharging.</p> <p><i>Is it an old battery?</i> Battery performance will decline after several years use. Replace the battery.</p>
The battery drains faster than normal (Transportable only)	<p><i>Are you in an area of variable coverage?</i> This uses extra battery power.</p> <p><i>Is your antenna fully extended?</i> This helps use less battery power.</p> <p><i>Is it a new battery?</i> A new battery will need two to three charge/discharge cycles to attain normal performance.</p> <p><i>Is it an old battery?</i> Battery performance will decline after several years use. Replace the battery.</p> <p><i>Is it a battery that hasn't been completely discharged?</i> Allow the battery to fully discharge (until the phone turns itself off) and then charge the battery overnight.</p> <p><i>Check that the Frequency Of Search feature in the Network Selection menu has not been set to Fast or Continuous.</i> See 'Network Search'.</p> <p><i>Check that the Battery Saving Mode feature has not been set to Off.</i></p> <p><i>Are you using your phone in extreme temperatures?</i> At extreme hot or cold temperatures, battery performance is significantly reduced.</p>
You can't cancel Call Diverting or Call Barring	<i>Wait until you are in an area with good network coverage and try again.</i>
The  symbol is flashing	<i>There is not enough memory available to store another SMS message.</i> Use the Messages menu to delete one or more existing messages.
I can't make international calls	<p><i>Some Service Providers automatically bar the ability to make international calls.</i> Contact your Service Provider.</p> <p><i>Have you included the relevant codes?</i> Press and hold the 0* key to display the international dialling prefix (+) and then enter the appropriate country code followed by the phone number. The table over page lists some of the more commonly used country codes.</p>



International Country Codes

The following table summarises some of the more commonly used international dial codes. Remember to press and hold **09** before you enter the code so that the international dialling prefix **+** is displayed.

Country	Country Code	Country	Country Code
Argentina	54	Malta	356
Australia	61	Mexico	52
Austria	43	Monaco	33
Bahrain	973	Morocco	212
Belgium	32	Netherlands	31
Brazil	55	New Zealand	64
Canada	1	Norway	47
China	86	Pakistan	92
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